

**AMENDMENTS TO THE SPECIFICATION**

Please amend Table 5 on page 63 as follows:

**TABLE 5**

Reference SNP ID	Forward PCR primer	SEQ ID NO	Reverse PCR primer	SEQ ID NO
rs1639679	CTGAAACTGCAAGTAATGTTG	<u>21</u>	CCTACTTTAAGCAAAATTCC	<u>22</u>
rs1267646	TAAGCAGATTTGGTCCAG	<u>23</u>	GAAATGAAAGAAGTCATGGG	<u>24</u>
rs1267636	GCACCAATGCTATTACTTGAG	<u>25</u>	TGGGAAACACATAGAGGCAG	<u>26</u>
rs1639675	CAAGTACAAGGAAACACTTG	<u>27</u>	GCATAGAATTAGGACATGGC	<u>28</u>
rs1267649	TTTCATGAGCTGGACTCTG	<u>29</u>	CAAGGTTGAAGAGTAGGTTG	<u>30</u>
rs1267609	GTTTGTCCAACTCAGAGATTG	<u>31</u>	GGGCTAACATTACAAATGA	<u>32</u>
rs1267610	TTCATACTGCTAACCTCTC	<u>33</u>	CCCAGCCAAAGAATGAATT	<u>34</u>
rs1267625	GAGCAAGTACAGTTACTAGAC	<u>35</u>	TGGTAAGGAAATATGTTGG	<u>36</u>
rs1267601	ATTGCTACAAAGCAAGACAG	<u>37</u>	CAGAAACAGTGCAGAAAACA	<u>38</u>
rs1267606	CCACAAAGTCCCCAAGATAAG	<u>39</u>	AGGACAGCATAACATCAGACC	<u>40</u>
rs1267621	ATCACAGTACTGAAAGCAAG	<u>41</u>	CTGTTTTCAGGAATGTTCTG	<u>42</u>
rs1267618	AGCATATGGTTCACATTGGC	<u>43</u>	TTTCCAAAAGGATGGCCAC	<u>44</u>

Please amend Table 6 on page 64 as follows:

**TABLE 6**

Reference SNP ID	Position in SEQ ID NO:1	Extend Probe	Term Mix	SEQ ID NO.
rs1639679	146311	GTAATGTTGAAACTACAATTACCA	ACT	<u>45</u>
rs1267646	138875	GAAACAGGCTTCATTACATCTT	ACT	<u>46</u>
rs1267636	132526	ACATAGAGGCAGGACTGTCA	ACT	<u>47</u>
rs1639675	128002	ATTAGGACATGGCTGAGATATTCA	ACT	<u>48</u>
rs1267649	118712	GGACTCTGCTTATTCTACCCA	ACT	<u>49</u>
rs1267609	98846	AGAGATTGTGCTTCCCAAATC	ACT	<u>50</u>

Reference SNP ID	Position in SEQ ID NO:1	Extend Probe	Term Mix	SEQ ID NO.
rs1267610	98682	GAATTAGTGAACTCTGGAAAGT	ACT	<u>51</u>
rs1267625	87826	GAAATATGTTGGAAAATTGTTCT	ACT	<u>52</u>
rs1267601	80400	CTACAAAGCAAGACAGGACTAA	ACG	<u>53</u>
rs1267606	76779	CCAAGATAAGAATCTGTTTACC	CGT	<u>54</u>
rs1267621	68398	AATGTTCTGAATTTCCAACCTAA	ACT	<u>55</u>
rs1267618	64547	TTATAATTAGTGGGAAACAGAA	ACG	<u>56</u>

Please amend Table 22 on page 75 as follows:

**TABLE 22: Duplex 21-mer siRNAs used for cell transfection**

siRNA	siRNA Target	Sequence Specificity (5' to 3')	SEQ ID NO:
BRAF_229	BRAF	ATATATCTGGAGGCCTATG	<u>57</u>
BRAF_264	BRAF	GCTAGATGCACCTCAACAA	<u>58</u>
BRAF_1216	BRAF	TTACCTGGCTCACTAACTA	<u>59</u>
BRAF_1231	BRAF	ACTAACGTGAAAGCCTTAC	<u>60</u>
Control	Luciferase GL2	CGTACGCGGAATACTTCGA	<u>61</u>